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SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital transmission systems – Digital networks –
Management of transport network

Enterprise viewpoint for topology management

ITU-T Recommendation G.852.3

(Previously CCITT Recommendation)

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ITU-T RECOMMENDATION G.852.3

ENTERPRISE VIEWPOINT FOR TOPOLOGY MANAGEMENT

Summary

The topology management community is used to manage the topology of a layer network domain and the relationships between the resources of the layer network domain being managed. The service provided by the community allows for the creation and deletion of the following resources inside a layer network domain: subnetwork, link, topological link, link end, topological link end and access group. The service also provides a set of reporting actions to advise potential notification receivers of creation and deletion of resources in the community. The service is available between one single caller and one single provider.

The partitioning of subnetworks and links is not addressed in this community.

Source

ITU-T Recommendation G.852.3 was prepared by ITU-T Study Group 4 (1997-2000) and was approved under the WTSC Resolution No. 1 procedure on the 26th of March 1999.

FOREWORD

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The approval of Recommendations by the Members of the ITU-T is covered by the procedure laid down in WTSC Resolution No. 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

NOTE

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Recommendation G.852.3**ENTERPRISE VIEWPOINT FOR TOPOLOGY MANAGEMENT***(Geneva, 1999)***1 Scope**

This Recommendation specifies the enterprise viewpoint for the topology management of a transport network.

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; all users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published.

- [1] ITU-T Recommendation G.851.1 (1996), *Management of the transport network – Application of the RM-ODP framework.*
- [2] ITU-T Recommendation G.852.2 (1999), *Enterprise viewpoint description of transport network resource model.*

3 Definitions

None.

4 Abbreviations

This Recommendation uses the following abbreviations:

CTP	Connection Termination Point
Id	Identifier
ITU	International Telecommunication Union
RM-ODP	Reference Model for Open Distributed Processing
topman	topology management
TP	Termination Point
TTP	Trail Termination Point

5 Conventions

None.